# 506076792 05/27/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KUO-CHENG CHING	01/13/2017
SHI-NING JU	01/13/2017
CHIH-HAO WANG	01/13/2017
YING-KEUNG LEUNG	01/17/2017

#### **RECEIVING PARTY DATA**

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
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City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16881685

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	2519-0533PUS1
NAME OF SUBMITTER:	BRIAN MUKURIA
SIGNATURE:	/Brian Mukuria/
DATE SIGNED:	05/27/2020

**Total Attachments: 2** 

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PATENT 506076792 REEL: 052757 FRAME: 0697

Inventor(s)-to-Assignee

### ASSIGNMENT

This assignment	ment agreement is a	pplicable to an invention	on entitled (Invention Title)
			OF MANUFACTURING THE
SAME			
The PATEN	NT RIGHTS referred	i to in this agreement a	re:
(check one)	⊠a patent applicat	tion for this invention,	executed by the ASSIGNOR(S)
		h this assignment.	. ,
	☐U.S. patent appli	ication Serial No	,filed
			International Application
			(U.S. patent application
		, if known).	
	☐U.S. patent No	, issued	
The PATEN	IT RIGHTS also inc	clude all divisions, reiss	sues, continuations and extensions of
		ons identified above.	
The PATEN	T RIGHTS assigne	d under this agreement	are:
(check one)	⊠U.S. patent right	s only.	
	■Worldwide pater	nt rights. In this case, th	e assignee shall have the right to
	claim the benefit	of the filing date of an	y U.S. or foreign patent application
	for this invention	<b>1.</b> *	
The ASSIGN	NOR(S) referred to	in this agreement is (or	are) the inventor(s) whose signatures
appear on pa	nge 2 of this Assigna	ment and any Suppleme	ental Sheet(s).
The ASSIGN	NEE referred to in the	his agreement is:	
(Name of As	signee <u>) TAIWAN S</u>	EMICONDUCTOR M	ANUFACTURING CO., LTD.
			DUSTRIAL PARK, HSINCHU,
TAIWAN 30	<u>00, R.O.C.</u>		
The ASSIGN	NEE is:		
$(check\ one)[$	☐An individual.		
	A Partnership.		
Σ	☐A Corporation of	TAIWAN, R.O.C.	_(specify state or country)

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

PATENT REEL: 052757 FRAME: 0698

RECORDED: 05/27/2020

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. INVENTION TITLE: SEMICONDUCTOR STRUCTURE AND METHOD OF MANUFACTURING THE SAME

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Kuo-Cheng CHING  Name of sole or first inventor	Signature ( Signature	721)/1/13 Date
Shi-Ning JU  Name of second inventor, if any	Shi-Ving Ju Signature	>0(1) / 1 / 13 Date
Chih-Hao WANG  Name of third inventor, if any	Chih-Hao Wany Signature	$\frac{2019/1/3}{Date}$
Ying-Keung LEUNG Name of fourth inventor, if any	Signature	2017 (1/17 Date

PATENT REEL: 052757 FRAME: 0699